

Specifications

Lubricants, Fluids, Sealers and Adhesives

NOTE: Compressor control and the evaporator temperature are a function of many parameters, not a straight on off to avoid freezing the evaporator. The PCM monitors multiple temperature sensors correlation (AAT, CHT, ECT IAT, MAF...) as applicable. The PCM runs this logic after an engine off and a calibrated soak period, typically 6 to 8 hours. This soak period allows the Ambient Air Temperature (AAT) sensor and the other temperature sensors to stabilize and not differ by greater than a calibrated value, typically 18Â°C (64.4Â°F). If a sensor input is found to be reporting a temperature imbalance the PCM does not allow the A/C clutch to engage. For more information on PCM sensors, Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual.

Items and Markets	Specifications
Motorcraft® PAG Refrigerant Compressor Oil / YN-12-D	WSH-M1C231-B
Motorcraft® R-134a Refrigerant / YN-19 (US); CYN-19-R (Canada); MYN-19 (Mexico)	WSH-M17B19-A
Motorcraft® A/C System Flushing Solvent / YN-23	â€”
Motorcraft® A/C Cooling Coil Coating / YN-29	â€”

Capacities

Items and Markets	Specifications
Motorcraft® PAG Refrigerant Compressor Oil / YN-12-D	6.2L V8, 4.1 fl oz (121 ml)
	6.7L Power Stroke Diesel, 3.4 fl oz (100 ml)
	7.3L V8, 3.7 fl oz (110 ml)
Motorcraft® R-134a Refrigerant / YN-19 (US); CYN-19-R (Canada); MYN-19 (Mexico)	6.2L V8, 27.0 oz (0.76 kg)
	6.7L Power Stroke Diesel, 27.0 oz (0.76 kg)
	7.3L V8, 27.0 oz (0.76 kg)

A/C Compressor Clutch Air Gap

Items	mm
(Fixed compressor), A/C compressor clutch air gap	0.3 â€” 0.6
(EVDC compressor), A/C compressor clutch air gap	0.355 â€” 0.7

